

图书基本信息

书名：<<医学图像计算与计算机辅助介入治疗 MICCAI 2002 Medical image computing and computer-assisted intervention->>

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## 内容概要

Together with the companion volume LNCS 2488 this book constitutes the refereed proceedings of the 5th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2002, held in Tokyo, Japan, in September 2002. The 184 revised full papers presented were carefully reviewed and selected from 321 submissions. The two-volume proceedings offers main topical sections on medical robotics and endoscopic devices; validation; brain tumor, cortex, vascular, and imaging and analysis; segmentation; cardiac applications; computer-assisted diagnosis; tubular structures; interventions; simulation; modelling; statistical shape modelling; image registration; visualization; and novel imaging techniques.

书籍目录

Tubular Structures Automated Nomenclature Labeling of the Bronchial Tree in 3D-CT Lung Images  
Segmentation, Skeletonization, and Branchpoint Matching A Fully Automated Quantitative Evaluation of  
Human Intrathoracic Airway Trees Improving Virtual Endoscopy for the Intestinal Tract Finding a  
Non-continuous Tube by Fuzzy Inference for Segmenting the MR Cholangiography Image Level-Set Based  
Carotid Artery Segmentation for Stenosis Grading Interventions - Augmented Reality PC-Based Control Unit for  
a Head Mounted Operating Microscope for Augmented Reality Visualization in Surgical Navigation  
Technical Developments for MR-Guided Microwave Thermocoagulation Therapy of Liver Tumors  
Robust Automatic C-Arm Calibration for Fluoroscopy-Based Navigation: A Practical Approach  
Application of a Population Based Electrophysiological Database to the Planning and Guidance of Deep Brain  
Stereotactic Neurosurgery An Image Overlay System with Enhanced Reality for Percutaneous Therapy  
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Relations in the Human Brain by Information Flow between Estimated Dipoles Interventions - Navigation  
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Single-Camera Tracker System Design and Needle Biopsy Phantom Trial A Novel Laser Guidance System for  
Alignment of Linear Surgical Tools Its Principles and Performance Evaluation as a Man-Machine System  
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Ultrasound Imaging System Robust Registration of Multi-modal Images Towards Real-Time Clinical  
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